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Proposed Maximum Residue Limit PMRL2015-53

Cyazofamid

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on Crop Group 5 (Brassica (Cole) Leafy Vegetables) to the product label of Cyazofamid 400SC Funcigide, containing technical grade cyazofamid, is acceptable. The specific uses approved in Canada are detailed on the label of Cyazofamid 400SC Fungicide, *Pest Control Products Act* Registration Number 27984.

The evaluation of this cyazofamid application indicated that the end-use product has value and the human health and environmental risks associated with the new uses are acceptable.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for cyazofamid is being conducted via this document (see Next Steps, the last section of this document). A summary of the field trial data used to support the proposed MRLs can be found in Appendix I.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Canada's Notification Authority and Enquiry Point.

The proposed MRLs, to replace or to be added to the MRLs already established for cyazofamid, are as follows.

Table 1 Proposed Maximum Residue Limits for Cyazofamid

Common Name	Residue Definition	MRL (ppm)[1]	Food Commodity
Cyazofamid	4-chloro-2-cyano-*N*,*N*-dimethyl-5-(4-methylphenyl)-1*H*-imidazole-1-sulfonamide, including the metabolite 4-chloro-5-(4-methylphenyl)-1*H*-imidazole-2-carbonitrile	12	Crop Subgroup 5B (Leafy Brassica Greens)
		1.2[2]	Crop Subgroup 5A (Head and Stem Brassica)

[1] ppm = parts per million

[2] The proposed MRLs of 1.2 ppm will replace the currently established MRLs of 0.02 ppm for Crop Subgroup 5A (Head and Stem Brassica).

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

International Situation and Trade Implications

The MRLs proposed for cyazofamid in Canada are the same as corresponding American tolerances as listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Currently, there are no Codex MRLs[1] listed for cyazofamid in or on any commodity on the Codex Alimentarius Pesticide Residues in Food webpage.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for cyazofamid up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs. Comments received will be addressed in a separate document linked to this PMRL. The established MRLs will be legally in effect as of the date that they are entered into the Maximum Residue Limit Database.

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Appendix I

Summary of Field Trial Data Used to Support the Proposed Maximum Residue Limits

Residue data for cyazofamid in broccoli, cabbage and mustard greens were submitted to support the domestic use of Cyazofamid on Crop Group 5 (Brassica (Cole) Leafy Vegetables).

Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for cyazofamid was based upon the submitted field trial data, and the guidance provided in the OECD MRL Calculator. Table A1 summarizes the residue data used to calculate the proposed MRLs for Crop Subgroup 5A (Head and Stem Brassica) and Crop Subgroup 5B (Leafy Brassica Greens).

Table A1 Summary of Field Trial Data Used to Support MRLs

Commodity	Application Method/ Total Application Rate (g a.i./ha)[1]	Preharvest Interval (days)	Maximum Residues (ppm)	Minimum Residues (ppm)
Broccoli	One Drench + five Foliar applications/ 537-619	0	0.92	0.19
Cabbage	One Drench + five Foliar applications/ 523-595	0	0.90	0.13
Mustard greens	One Drench + five Foliar applications/ 529-564	0	6.86	1.4

[1] g a.i./ha = grams of active ingredient per hectare

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of cyazofamid. Residues of cyazofamid in these commodities at the proposed MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.